CHEMICAL PROCESSORS, INC./RESOURCE RECOVERY CORP.

22998

2203 Airport Way So., Suite 400 • Seattle, WA 98134
Chempro (206) 223-0500 Resource Recovery (206) 223-0900
WAD061672812

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

PO# M16387 wr

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: WAD980738546
Manifest Document No.: 22998
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ALASKAN COPPER Works.
PO Box 3546
SEATTLE WASH 98124
4. Generator's Phone (206) 623 5800 ext 233

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Resource Recovery
6. US EPA ID Number: WAD061672812
C. State Transporter's ID
D. Transporter's Phone (206) 383-3044

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
☐ Chempro 734 So. Lucile St. Seattle, WA (206) 762-3362
☒ Chempro 1701 Alexander Tacoma, WA (206) 838-4774
☐ Chempro 20245 76th Ave. South Kent, WA (206) 872-8030
☐ Other:

10. US EPA ID Number
WAD 000812909
WAD 020257945
WAD 991281767

G. State Facility's ID
H. Facility's Phone 206-838 4774

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ WASTE ACID LIQUID NOS NA 1760 SULFURIC ACID NITRIC ACID	1	TT	1000	G	D002 D007
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
CP# 47200

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR EMERGENCY TELEPHONE ( )
☐ CERTIFICATE OF DESTRUCTION/DISPOSAL REQUIRED

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: WAYNE LARSEN
Signature: Wayne Larsen
Month 9 Day 10 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROGER MCATEE
Signature: Roger mcatee
Month 9 Day 10 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space Filled in Transporters phone# per Wayne Larsen 9-17-90
1PM Tom Tainer

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Grant LaCrosse
Signature
Month 9 Day 10 Year 90

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

sent to ATT Wayne Larsen **ORIGINAL — RETURN TO GENERATOR**

AKC-0018667

CHEMICAL PROCESSORS, INC./RESOURCE RECOVERY CORP.

22998

2203 Airport Way So., Suite 400 • Seattle, WA 98134
Chempro (206) 223-0500 Resource Recovery (206) 223-0900
WAD061672812

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ALASKAN COPPER WORKS

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number
- ☐ Chempro 734 So. Lucile St. Seattle, WA (206) 762-3362 — WAD 000812909
- ☒ Chempro 1701 Alexander Tacoma, WA (206) 838-4774 — WAD 020257945
- ☐ Chempro 20245 76th Ave. South Kent, WA (206) 872-8030 — WAD 991281767
- ☐ Other:

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone (206) 383-3044
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. NA 1760		1	TT	4000	G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR EMERGENCY TELEPHONE ( )

☐ CERTIFICATE OF DESTRUCTION/DISPOSAL REQUIRED

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name	Signature	Month	Day	Year
		9	10	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Clint Martin		9	10	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space Filled in Transporters phone # per Wayne Larsen 9-17-90
IPM Tom Tanner

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Grant LaCrosse		9	10	90

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY

AKC-0018668

CHEMPRO
GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

P.O. # M16387 for Profile & Pick-up

CP# 47200
WASTE PROFILE SHEET CODE

CHEMPRO Facility: (SHADED AREAS FOR CHEMPRO USE ONLY) **CP Sales Rep.**

A. GENERATOR INFORMATION

1. Generator Name: ALASKAN COPPER WORKS 2. Generator, USEPA/ ID WAD 980738546
3. Facility Address: 3600 EAST MARGINAL WAY SO.
City: SEATTLE State WASH. Zip Code 98134
4. Generator Contact WAYNE LARSEN 5. Title: 6. Phone: (206) 623 - 5800

B. MAIL CHEMPRO INVOICES TO: 1. ☐ Generating Facility (A, above), or
2. Company Name: ALASKAN COPPER WORKS 3. Phone: ( ) -
4. Address: PO BOX 3546
City: SEATTLE State WASH. Zip Code 98124
5. Atten: WAYNE LARSEN

C. 1. NAME OF WASTE Sulfuric ACID & WATER & Copper
2. PROCESS GENERATING WASTE CLEAN Copper & BRASS
3. Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027 or F028)?
☐ Yes ☒ No If yes, contact your CHEMPRO sales representative for assistance before completing this form.

D. PHYSICAL CHARACTERISTICS OF WASTE

1. Color:	2. Physical State @ 70°F:	3. Layers:	4. Specific Gravity:	5. Free Liquids:
	☐ Solid ☐ Semi-Solid ☒ Liquid ☐ Powder Other:	☐ Multilayered ☒ Bi-Layered ☐ Single Phased	☐ <.8 ☐ 1.1-1.2 ☐ .8-1.0 ☐ 1.3-1.4 Exact/other	☐ No ☒ Yes 80 %

6. pH: ☐ NA ☒ < 2 ☐ 2-4 ☐ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12.5 ☐ > 12.5 ☐ Range

7. Liquid Flash Point: ☐ < 70°F ☐ 70-99°F ☐ 100-139°F ☐ 140-199°F ☐ > 200°F ☒ None ☐ Closed Cup ☐ Open Cup

E. CHEMICAL COMPOSITION

1.	RANGE MIN.	MAX.	
WATER	80	90	%
Sulfuric ACID	7	10	%
Sugar	1	3	%
Nitric Acid	1	3	%
			%
			%
			%
			%
			%
			%
			%
			%

RECEIVED 12/90

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%. TOTAL 102 %

2. Indicate if this waste contains any of the following:

	NONE	OR	LESS THAN	OR	ACTUAL
PCB's	☒		☐ < 50 ppm	☐	ppm
Cyanides	☒		☐ < 50 ppm	☐	ppm
Phenolics	☒		☐ < 50 ppm	☐	ppm
Sulfides	☒		☐ < 50 ppm	☐	ppm

F. METALS Indicate if this waste contains any of the following:

1. ☒ EP TOX/TCLP or 2. ☐ Total

METAL	LESS THAN	or	ACTUAL (Parts Per Million)
Arsenic (As)	☐ < 5	☐ 5-499	☐ ppm
Barium (Ba)	☐ < 100		☐ ppm
Cadmium (Cd)	☐ < 1	☐ 1-99	☐ ppm
Chromium (Cr)	☐ < 5		☐ ppm
Lead (Pb)	☐ < 5	☐ 5-499	☐ ppm
Mercury (Hg)	☐ < 0.2	☐ 0.2-19	☐ ppm
Selenium (Se)	☐ < 1	☐ 1-99	☐ ppm
Silver (Ag)	☐ < 5		☐ ppm
Chromium-Hex (Cr + 6)	☐ < 5	☐ 5-499	☐ ppm
Copper (Cu)	☒ < 5		☐ ppm
Nickel (Ni)	☐ < 5	☐ 5-133	☐ ppm
Thallium (Ti)	☐ < 5	☐ 5-129	☐ ppm
Zinc (Zn)	☐ < 5		☐ ppm
	☐ <		☐ ppm
	☐ <		☐ ppm
	☐ <		☐ ppm

TURN PAGE AND COMPLETE OTHER SIDE

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

G. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☐ Yes ☒ No
3. Indicate if this waste is any of the following: ☒ **None**

☐ RCRA Reactive	☐ Shock Sensitive	☐ Etiological
☐ Water Reactive	☐ Pyrophoric	☐ Pesticide Manufacturing Waste
☐ Explosive	☐ Radioactive	

H. USEPA/STATE INFORMATION

1. USEPA Hazardous Waste? ☒ Yes ☐ No
2. USEPA Hazardous Waste Number(s): D002
3. State Hazardous Waste? ☒ Yes ☐ No
4. State Hazardous Waste Number(s): DW

I. SHIPPING INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No
2. CERCLA Reportable Quantity (RQ): 1000 (lb)
3. Method of Shipment: ☒ Bulk Liquid ☐ Bulk Solid ☐ Drum (Type/Size): _____ Other: _____
4. Amount to ship now / units 1010 gal
5. ☒ **One time** - OR - Anticipated Volume/Units per year _____

US DOT DESCRIPTION:

6. RQ	7. PROPER SHIPPING NAME	8. HAZARD CLASS	9. DOT ID NUMBER	10. ADDITIONAL DESCRIPTION
( )	Waste Acid Liquid N.O.S. (Sulfuric acid, NITRIC ACID)	Corrosive Material	NA-1760	(D002)

J. SPECIAL HANDLING INFORMATION Enclosed NOTIFICATION must be attached to each MANIFEST.

☐ Additional Page(s) Attached

K. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. Wayne Larsen (SIGNATURE) 2. _____ (TITLE)
3. WAYNE LARSEN (NAME (TYPE OR PRINT)) 4. 9/24/90 (DATE)

SHADED AREA FOR CHEMPRO USE ONLY:

SAFETY & HEALTH SCREEN

Additional Analysis

Minimum TLV _____ STEL _____ Ceiling _____ by _____ Vapor Pressure _____

Vapor Density _____

Classification

Codes _____ Health _____ Fire _____ Reactivity _____ PPE _____ Target Organ

Primary Potential Toxic Effect _____

CHEMPRO

Signature: _____

H HEALTH	☐
F FLAMMABLE	☐
R REACTIVITY	☐
PERSONAL PROTECTION	☐

CHEMPRO
A Burlington Environmental Inc Company

RESOURCE RECOVERY CORP.
A CHEMPRO COMPANY
1629 EAST ALEXANDER • TACOMA, WA 98421
TACOMA, (206) 383-3044 SEATTLE, (206) 223-7798

BILL OF LADING
329663

ORIGIN SEATTLE WASHINGTON DATE 9-10 1990
SHIPPER ALASKA COPPER WORKS
CONSIGNEE CHEMICAL PROCESSORS
DESTINATION TACOMA WASHINGTON

SHIPPERS NO.	ORDER NO.
22998	02446

IN THE ABSENCE OF A BILL OF LADING SUPPLIED BY THE SHIPPER, THIS TRUCK LOADING ORDER WILL BECOME A LEGAL BILL OF LADING. TRANSPORTATION SUBJECT TO PUC REGULATIONS.

FOR OFFICE USE ONLY

QUANTITY	DOT PROPER SHIPPING NAME	HAZARD CLASS	HAZ. MATERIAL I.D. NUMBER	WEIGHT	RATE	FREIGHT
1000	RQ WASTE ACID LIQUID N.O.S	CORROSIVE MATERIAL	NA 1760			
				PLEASE PAY THIS AMOUNT		

GROSS _____ SHIPPER X Wayne Lemon
TARE _____ CONSIGNEE _____
NET _____ TRANSPORTED BY RL McCall

PUC REGULATIONS REQUIRE PAYMENT OF THIS BILL IN SEVEN DAYS.

ORIGINAL FREIGHT BILL

CHEMICAL PROCESSORS, INC./RESOURCE RECOVERY CORP. 22998

2203 Airport Way So., Suite 400 • Seattle, WA 98134
Chempro (206) 223-0500 Resource Recovery (206) 223-0900
WAD061672812

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WAD980738546 | Manifest Document No. 22998 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ALASKAN COPPER WORKS
PO BOX 3546 98134
SEATTLE WA

4. Generator's Phone (206) 623 5900 ext 223

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Resource Recovery | 6. US EPA ID Number: WAD061672812 | C. State Transporter's ID | D. Transporter's Phone 206 938 3304

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID
- ☐ Chempro 734 So. Lucile St. Seattle, WA (206) 762-3362 — WAD 000812909
- ☒ Chempro 1701 Alexander Tacoma, WA (206) 838-4774 — WAD 020257945
- ☐ Chempro 20245 76th Ave. South Kent, WA (206) 872-8030 — WAD 991281767
- ☐ Other:

H. Facility's Phone 206 838 4774

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ WASTE ACID, LIQUID, NOS, NA 1760, SULFURIC ACID, 8, PG II		1	TT	7000	G	D002
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
EP Tox 4.7 2.00

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR EMERGENCY TELEPHONE ( )

☐ CERTIFICATE OF DESTRUCTION/DISPOSAL REQUIRED

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DAVID LARSEN | Signature | Month 9 | Day 10 | Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ROGER MCATEE | Signature: Roger McAtee | Month 9 | Day 10 | Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space
Cut Transfer Chem # 5 Talked to TOM
9/17/90 - 1:00 PM

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

GENERATOR'S COPY

AKC-0018672

ALASKAN

GENERAL INTERNAL PURCHASE REQUISITION

ITEM NO.	ACCT. NO.	QUAN-TITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
1	5-686	1	lot	on Profile 47200 test sulfuric acid for disposal approx. 1010 gal this acid is in a tank Bulk liquid		
				this sulfuric acid location 3600 East Marginal Way So Seattle Wash.		

REQUESTED BY Wayne Swanson

DATE 8/24/90

APPROVED BY

DATE

PURPOSE OR USE

DELIVERY NEEDED BY

SHIP TO ADDRESS

SUGGESTED VENDOR

TO BE FILLED IN BY PURCHASING DEPT.

P.O. NUMBER M16387

VENDOR Chemical Processors Inc

CONTACT

TELEPHONE NO. 223 0500

DELIVERY PROMISED

SHIP VIA

AC 9043/R 12-85

ALASKAN

GENERAL INTERNAL PURCHASE REQUISITION

ITEM NO.	ACCT. NO.	QUANTITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
1	5-686	1	lot	on Profile 472.00		
				test sulfuric acid		
				for disposal app. 1010 gal		
				this acid is in a		
				tank Bulk liquid		
				this sulfuric acid location		
				3600 East Marginal Way So		
				Seattle Wash		
				17160 D002		

REQUESTED BY	DATE	APPROVED BY	DATE
Wayne Larsen	8/24/90	Brown	

PURPOSE OR USE

DELIVERY NEEDED BY 9/17/90 - 1:00 PM

SHIP TO ADDRESS

SUGGESTED VENDOR

TO BE FILLED IN BY PURCHASING DEPT.

P.O. NUMBER AM 16387

VENDOR Chemical Processors Inc

CONTACT

TELEPHONE NO. 223 0500

DELIVERY PROMISED

SHIP VIA

AC 9043/R 12-85

AKC-0018674

EXHIBIT A

Generator: ALASKAN COPPER WORKS

Waste Material Profile Sheet(s) No(s) 47200

a. ( ) Loading of the described waste material (the "Waste Materials") onto transportation vehicles, cars or vessels.

b. ( ) Transportation of the Waste Materials from:

_____

_____

to the permitted waste management facility at:

_____

_____

by: _____

and/or _____

c. ( ) Receipt of the Waste Materials from:

3600 East Marginal Way South

Seattle, Washington 98134

to the permitted Waste Management facility at

1701 East Alexander Avenue

Tacoma, Washington 98421

Place, Time and Frequency and Quantity(ies) and Transfer of Title to Waste Materials: 8:00am - 4:30pm Weekdays, except holidays, weather permitting.

EXHIBIT B

PROFILE AND DISPOSAL FEE:

47200: $100.00 profile fee
$4.00 per gallon sludge plus $7.00 per gallon of sludge

Disposal fees do not include transportation

By their signature hereto, the parties agree that these Exhibits A and B, including the referenced Waste Material Profile Sheet(s), shall be considered an attachment to, and part of, that certain "Waste Transportation and Management Agreement" identified above.

CHEMICAL PROCESSORS, INC.	ALASKAN COPPER WORKS
Company	Company
Harold C. Williams	Wayne Larsen
Signature	Signature
Harold C. Williams	WAYNE LARSEN
Print Name	Print Name
Division Sales Manager	Fac. Cont. Coord.
Title	Title
9/5/90	9/7/90
Date	Date

September 10, 1990

CHEMPRO SM

A Burlington Environmental Inc. Company

ALASKAN COPPER WORKS
P.O. BOX 3546
SEATTLE, WA 98124

ATTN: MR. WAYNE LARSEN

Re: Generator's Waste Material Profile Sheet 47200

Dear Mr. Larsen:

Confirming our telephone conversation toady, you have authorized Chemical Processors, Inc. to make the changes described below to the above mentioned profile sheet.

Section

Change D.O.T. I.D. number to NA-1760

Yours truly,

Susan L. Mosher

Susan L. Mosher
Sales Coordinator

CHEMICAL PROCESSORS, INC.
2203 Airport Way South . Suite 400 • Seattle, Washington 98134
(206) 223-0500 • FAX: 223-7791

RCRA LAND DISPOSAL RESTRICTION NOTIFICATION FORM-EZ

(This form is applicable for characteristic wastes D001-D011 and/or F-listed solvent wastes F001-F005)

Generator: ALASKAN COPPER WORKS U.S. EPA I.D. No. WAD980738546

Chempro Profile No. 47200 Manifest No. 22998

This notification is submitted to Chempro's treatment facility in accordance with U.S. EPA regulations, 40 CFR 268.7 (a)(1). The hazardous waste, as designated by a check mark in the associated box(es), is included in this waste shipment and is restricted and banned from land disposal unless treated to standards as indicated. The reverse side of this form provides treatment standards for F001-F005 wastes, "California List" wastes, and applicable variances.

Waste Analysis Data is: [ ] Attached [ ] Not Attached

CONCENTRATION-BASED STANDARDS: The treatment standards for metal-bearing wastes (D004-D011) appear in 40 CFR 268.43 (a) (Table CCW) for wastewaters and in 40 CFR 268.41 (a) (Table CCWE) for nonwastewaters. The treatment standards for Reactive Cyanide (D003) waste appears in 40 CFR 268.43 (a) (Table CCW).

Waste Code	Regulated Hazardous Constituent	Treatability Group		
[ ] D003	Reactive Cyanides based on 261.23(a)(5)	[ ] Wastewater	[ ] Nonwastewater	
[ ] D004	Arsenic	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D005	Barium	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D006	Cadmium (except Batteries, see below)	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D007	Chromium	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D008	Lead (except Lead Acid Batteries, see below)	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D009	Mercury (< 260 mg/kg Total Mercury)	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D010	Selenium	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris
[ ] D011	Silver	[ ] Wastewater	[ ] Nonwastewater	[ ] Inorganic Solid Debris

TECHNOLOGY-BASED STANDARDS: The following wastes have treatment standards expressed as technology-based standards listed in 40 CFR 268.42 (a).

Waste Code	Waste Description and/or Treatment Subcategory	Treatability Group		Treatment Code
[ ] D001	Low TOC Ignitable Liquids (<10% Total Organic Carbon)	Nonwastewater		DEACT
[ ] D001	High TOC Ignitable Liquids (≥10% Total Organic Carbon)	Nonwastewater		FSUBS, RORGS or INCIN
[ ] D001	Ignitable Compressed Gases based on 261.21 (a)(3)	Not Applicable		DEACT
[ ] D001	Ignitable Reactives based on 261.21 (a)(3)	Not Applicable		DEACT
[ ] D001	Oxidizers based on 261.21 (a)(4)	[ ] Wastewater	[ ] Nonwastewater	DEACT
[X] D002	Acid Subcategory, pH ≤ 2	[X] Wastewater	[ ] Nonwastewater	DEACT
[ ] D002	Alkaline Subcategory, pH ≥ 12.5	[ ] Wastewater	[ ] Nonwastewater	DEACT
[ ] D002	Other Corrosives based on 261.22 (a)(2)	[ ] Wastewater	[ ] Nonwastewater	DEACT
[ ] D003	Reactive Sulfides based on 261.23 (a)(5)	[ ] Wastewater	[ ] Nonwastewater	DEACT
[ ] D003	Explosives 261.23 (a)(6), (7) and (8)	[ ] Wastewater	[ ] Nonwastewater	DEACT
[ ] D003	Water Reactives 261.23 (a)(2), (3) and (4)	Nonwastewater		DEACT
[ ] D003	Other Reactives 261.23 (a)(1)	[ ] Wastewater	[ ] Nonwastewater	DEACT
[ ] D006	Cadmium Containing Batteries	Nonwastewater		RTHRM
[ ] D008	Lead Acid Batteries	Nonwastewater		RLEAD
[ ] D009	High Mercury (≥ 260 mg/kg Total Mercury) with Organics	Nonwastewater		RMERC
[ ] D009	High Mercury (≥ 260 mg/kg Total Mercury) with Inorganics	Nonwastewater		IMERC or RMERC

RCRA F-LISTED WASTE: The treatment standards for the following F-listed wastes are referenced as indicated. Treatment standards for nonpharmaceutical F001-F005 wastes are provided on the reverse side of this form. There are no waste subcategories or treatability groups for F006-F009 and F019 wastes.

Waste Code	Treatability Group		Treatment Standard
[ ] F001	[ ] Wastewater	[ ] Nonwastewater	see reverse side
[ ] F002	[ ] Wastewater	[ ] Nonwastewater	see reverse side
[ ] F003	[ ] Wastewater	[ ] Nonwastewater	see reverse side
[ ] F004	[ ] Wastewater	[ ] Nonwastewater	see reverse side
[ ] F005	[ ] Wastewater	[ ] Nonwastewater	see reverse side

CALIFORNIA LIST RESTRICTIONS: The hazardous waste included in this waste shipment exceeds the following "California List" prohibition levels as set forth in 40 CFR 268.32 and RCRA 3004(d). Treatment standards are provided on the reverse side of this form.

[ ] HOCs ≥ 1,000 ppm [ ] Cyanides ≥ 1,000 ppm [ ] PCB liquids ≥ 50 ppm [ ] Liquids with restricted metals, i.e. Hg, Ni, Se, Th.

SOLVENT AND CALIFORNIAL LIST TREATMENT STANDARDS

If the waste identified on the other side of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and/or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268.32 and/or RCRA Section 3004(d)), then this page MUST accompany the shipment, along with the opposite side of this form. If the waste is a multi-source leachate with Hazardous Waste Number F039, then the corresponding treatment standards must be attached.

SOLVENT WASTE TREATMENT STANDARDS

F001 through F005 spent solvent constituents and their USEPA waste code(s)	Treatment Standard*		F001 through F005 spent solvent constituents and their USEPA waste code(s)	Treatment Standard*	
	Wastewater	Nonwastewater		Wastewater	Nonwastewater
Acetone (F003)	0.05	0.59	Methylene chloride (F001, F002)	0.20	0.96
Benzene (F005)	0.07 40 CFR 268.43(a)	3.7 40 CFR 268.43(a)	Methylene chloride from pharmaceutical production (F001, F002, F003, F004, F005)	0.44 40 CFR 268.43(a)	0.96
n-Butyl alcohol(F003)	5.0	5.0	Methyl ethyl ketone (F005)	0.05	0.75
Carbon disulfide (F005)	1.05	4.81	Methyl isobutyl ketone (F003)	0.05	0.33
Carbon tetrachloride (F001)	0.05	0.96	Nitrobenzene (F004)	0.66	0.125
Chlorobenzene (F002)	0.15	0.05	2-Nitropropane (F005)	(WETOX or CHOXD) followed by CARBN or INCIN 40 CFR 268.42	INCIN 40 CFR 268.42
Cresols (and Cresylic acid) (F004)	2.82	0.75	Pyridine (F005)	1.12	0.33
Cyclohexanone (F003)	0.125	0.75	Tetrachloroethylene (F001, F002)	0.079	0.05
1,2-Dichlorobenzene (F002)	0.65	0.125	Toluene (F005)	1.12	0.33
2-Ethoxyethanol (F005)	INCIN or BIODG 40 CFR 268.42	INCIN 40 CFR 268.42	1,1,1-Trichloroethane (F001, F002)	1.05	0.41
Ethyl acetate (F003)	0.05	0.75	1,1,2-Trichloroethane (F002)	0.03 40 CFR 268.43(a)	7.6 40 CFR 268.43(a)
Ethylbenzene (F003)	0.05	0.053	1,1,2-Trichloro-1,2,2-triflouroethane (F002)	1.05	0.96
Ethyl Ether (F003)	0.05	0.75	Trichloroethylene (F001, F002)	0.062	0.091
Isobutanol (F005)	5.0	5.0	Trichlorotriflouroethane (F002)	0.05	0.96
Methanol (F003)	0.25	0.75	Xylene (F003)	0.05	0.15

* All spent solvent treatment standards are taken from 40 CFR 268.41, unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg

CALIFORNIAL LIST TREATMENT STANDARDS - 40 CFR 268.32 and RCRA Section 3004(d)

A waste must first be designated as a USEPA Hazardous waste before it is subject to the California List restrictions

Restricted Waste Description	Prohibitions	Treatment Standard
Liquid or nonliquid wastes containing Halogenated Organic Compound listed in 40 CFR 268 Appendix III	Liquid wastes Greater than or equal to 1,000 mg/l Nonliquid wastes greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) INCIN
Liquid wastes containing Polychlorinated biphenyl (PCB)	Greater than or equal to 50 ppm	40 CFR 268.42(a)(1) INCIN or FSUBS also see 40 CFR 761.60 and .70
Liquid wastes containing Cyanides	Free (amenable to chlorination) cyanides in concentrations greater than or equal to 1,000 mg/l	RCRA Section 3004(d)
Liquid wastes containing metals	One or more of the following metals (or elements) in concentrations $\leq$ the following: Mercury at 20 ppm Nickel at 134 ppm Selenium at 100 ppm Thallium at 130 ppm	RCRA Section 3004(d)

Variances: Inorganic Solid Debris characteristic for metals, D004 nonwastewaters, D008 Lead Acid Battery waste, and D009 High and Low Mercury Nonwastewaters are under a National Capacity Variance and are not prohibited from land disposal until May 8, 1992.